

PATENTAMENDMENTS TO THE CLAIMS

1. (Currently amended) Roof liner with a core layer, a reinforcement layer arranged on at least one side of this core layer and a decorative layer facing a passenger compartment, whereby the reinforcement layer is formed from fibres arranged in at least one plastic matrix made of a polyolefin material, ~~and fibres~~ and the core layer is formed from a foam material, wherein the foam material and plastic matrix include present at least one polyolefin, whereby the polyolefin of the foam material is polypropylene and the fibres are arranged non-directionally in the plastic matrix, and wherein an adhesive mat is disposed between the decorative layer and a sandwich defined by the core layer and reinforcement layer such that before the shaping of the roof liner, the sandwich is warmed softening the adhesive mat by contact heat such that the decorative layer is joined securely to the sandwich.

2. (Previously presented) Roof liner according to Claim 1, wherein the polyolefin of the plastic matrix is one of polypropylene and polyethylene.

3. (Currently amended) Roof liner according to Claim 1, wherein the polypropylene of the foam material has presents a stretch ratio of between 4 and 50.

4. (Previously presented) Roof liner according to Claim 1, wherein the fibres are natural fibre.

5. (Currently amended) Roof liner according to Claim 1, wherein the reinforcement layer is a fibre mat containing a polyolefin powder additive ~~the fibres are formed as a fibre mat with the polyolefin as one of a powder and fibrous additive.~~

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6. (Previously presented) Roof liner according to Claim 1, wherein the reinforcement layer contains one of polyester fibres and a bonding agent.
7. (Previously presented) Roof liner according to Claim 6, wherein the polyester is added to the reinforcement layer as a polyester mat.
8. (Previously presented) Roof liner according to Claim 1, wherein the ratio of the fibrous portion of fibres in the reinforcement layer is between 15 and 40 percent by weight.
9. (Cancelled)
10. (Cancelled)
11. (Previously presented) Roof liner according to Claim 1, wherein the fibres of the reinforcement layer are synthetically manufactured fibres.
12. (Currently amended) Roof liner according to Claim 1, wherein the roof liner includes ~~presents~~ integrated energy absorption elements.
13. (Cancelled)
14. (Cancelled)

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15. (Currently amended) Roof liner according to Claim 3, wherein the polypropylene of the foam material has ~~presents~~ a stretch ratio of between 6 and 40.

16. (Previously presented) Roof liner according to Claim 4, wherein the natural fibres are on of jute and sisal.

17. (Previously presented) Roof liner according to Claim 8, wherein the ratio of the fibrous portion of fibres in the reinforcement layer is between 20 and 35 percent by weight.

18. (Cancelled)

19. (Previously presented) Roof liner according to Claim 11, the fibres of the reinforcement layer are glass fibres.

20. (Currently amended) Roof liner according to Claim 12, wherein the roof liner includes ~~presents~~ integrated energy absorption elements formed during a ~~the~~ shaping operation of the roof liner.

21. (New) Roof liner comprising:

a core layer having first and second sides;

a first reinforcement layer adjacent the first side of the core layer;

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a second reinforcement layer adjacent the second side of the core layer, wherein the core layer and first and second reinforcement layers define a sandwich;

a decorative layer attached to the first reinforcement layer; and

an adhesive mat disposed between the decorative layer and the sandwich such that before the shaping of the roof liner, the sandwich is warmed softening the adhesive mat by contact heat such that the decorative layer is joined securely to the sandwich.

22. (New) Roof liner according to claim 21, wherein the core layer is formed from a polyolefin foam material, and wherein the first and second reinforcement materials are formed from non-directional fibres arranged in a matrix of polyolefin material.

23. (New) Roof liner according to Claim 22, wherein the polyolefin of the matrix is one of polypropylene and polyethylene.

24. (New) Roof liner according to Claim 22, wherein the polyolefin of the foam material is polypropylene.

25. (New) A method of manufacturing a roof liner comprising:

a. providing a sandwich including a foam core layer disposed between first and second reinforcement layers including fibres arranged in a matrix of polyolefin material;

b. heating the sandwich;

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c. subsequently to step (b), positioning a non-heated adhesive mat and decorative layer onto the sandwich to define a panel, wherein the adhesive mat is disposed between the decorative layer and the sandwich, and wherein the adhesive mat is softened by contact heat of the sandwich such that the decorative layer is joined securely to the sandwich; and

d. introducing the panel into a shaping press to form the panel into a desired shape, thereby forming a roof liner.